

State of Idaho  
Department of Water Resources

# WATER RIGHT LICENSE

WATER RIGHT NO. 94-07338

Priority: March 30, 1992

Maximum Diversion Rate:

0.13 CFS

Maximum Diversion Volume:

3.0 AF

This is to certify, that CARL L BLALACK  
E 29340 HARDY LOOP  
CATALDO ID 83810

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated March 30, 1992; and has submitted Proof of Beneficial Use on June 29, 1992. An examination indicates that the works have a diversion capacity of 0.13 cfs of water from a **GROUNDWATER** source, and a water right has been established as follows:

| <u>BENEFICIAL USE</u> | <u>PERIOD OF USE</u> | <u>RATE OF DIVERSION</u> | <u>ANNUAL VOLUME</u> |
|-----------------------|----------------------|--------------------------|----------------------|
| IRRIGATION            | 03/15 to 11/15       | 0.03 CFS                 | 3.0 AF               |
| FIRE PROTECTION       | 01/01 to 12/31       | 0.13 CFS                 |                      |
|                       | Totals               | 0.13 CFS                 | 3.0 AF               |

LOCATION OF POINT(S) OF DIVERSION:

SESW , Sec. 19, Township 49N, Range 01E  
KOOTENAI County

PLACE OF USE: IRRIGATION

| <u>TWN</u> | <u>RGE</u> | <u>SEC</u> | <u>ACRES</u> | <u>ACRES</u> | <u>ACRES</u> | <u>TOTAL</u> |
|------------|------------|------------|--------------|--------------|--------------|--------------|
| 49N        | 01E        | 19         | SESW         | 1            |              | 1            |

Total number of acres irrigated: 1

PLACE OF USE:

FIRE PROTECTION, same as IRRIGATION use

CONDITIONS OF APPROVAL AND REMARKS

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. This right when combined with all other rights shall provide more than .03 cfs per acre nor more than 3.0 afa per acre for the lands above.

MAR 29 1996

State of Idaho  
Department of Water Resources

# WATER RIGHT LICENSE

WATER RIGHT NO. 94-07338

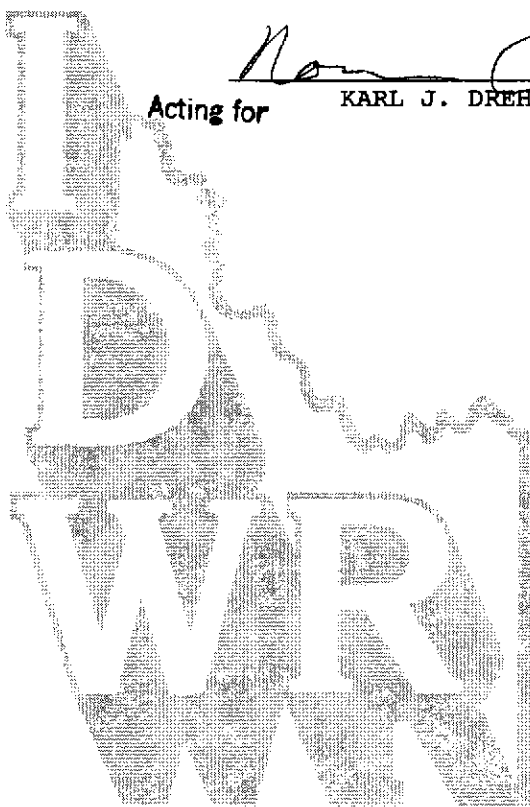
## CONDITIONS OF APPROVAL AND REMARKS

6. Water shall not be diverted for fire protection use under this right except to fight or repel an existing fire.

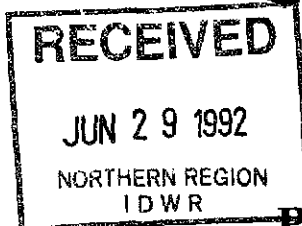
This license is issued pursuant to the provisions of Section 42-219, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this 30<sup>TH</sup> day of NOVEMBER, 1995.

Acting for

  
KARL J. DREHER, Director

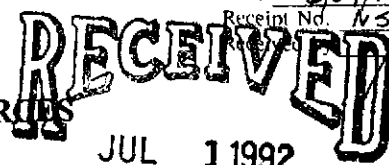


1996



## STATE OF IDAHO

## DEPARTMENT OF WATER RESOURCES



## PROOF OF BENEFICIAL USE

Department of Water Resources

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 94-0738 Telephone No. 208 682-22832. Name(s) of Permit Holder(s): CARL L. OR HELEN M. BLALACK3. Post Office Address: E29340 HARDY LOOP CATALDO, ID 838104. Source of Water: GROUND WATERa. If ground water, well driller's name: THIS WELL WAS HAND DUG Date drilled: \_\_\_\_\_

b. Pump horsepower: \_\_\_\_\_ Pressure (psi): \_\_\_\_\_ Dynamic pumping level (ft.): \_\_\_\_\_

## 5. Extent of Use:

Domestic 3 (No. of households)Irrigation 1.5 (No. of acres)

Stockwater \_\_\_\_\_ (No. and type of stock)

Other fire protection6. Total rate and/or volume for which proof is submitted 0.10 cfs \_\_\_\_\_ acre/feet

## 7. Refer to the approval conditions on your permit and respond accordingly:

Measuring device: Required? ☐ Yes ☐ No Installed? ☐ Yes ☒ No

OR

Flow Measurement Port: Required? ☐ Yes ☐ No Installed? ☐ Yes ☒ No8. Fee Enclosed: \$ 50.00 (See License Examination Fee Schedule)

## 9. Person to contact to accompany the Department representative during the field examination:

CARL BLALACK  
Name(SAME AS ABOVE)208-682-2283  
Telephone No.\_\_\_\_\_  
Address

10. The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

Date

6/29/92

Signature (and title if on behalf of a company or organization)

x Carl L. Blalack

SEP 22 1992

State of Idaho  
Department of Water Resources

# Permit To Appropriate Water

NO. 94-07338

Proposed Priority: March 30, 1992 Maximum Diversion Rate: 1.75 CFS  
This is to certify, that **CARL L BLALACK**

E 29340 HARDY LOOP  
CATALDO ID 83810

has applied for a permit to appropriate water from: **GROUNDWATER**  
and a permit is **APPROVED** for development of water as follows:

| <u>BENEFICIAL USE</u> | <u>PERIOD OF USE</u> | <u>RATE OF DIVERSION</u> |
|-----------------------|----------------------|--------------------------|
| IRRIGATION            | 03/15 to 11/15       | 0.05 CFS                 |
| FIRE PROTECTION       | 01/01 to 12/31       | 1.70 CFS                 |
|                       | Totals               | 1.75 CFS                 |

LOCATION OF POINT(S) OF DIVERSION:

SESW , Sec. 19, Township 49N, Range 01E  
KOOTENAI County

PLACE OF USE: IRRIGATION

| <u>TWN</u> | <u>RGE</u> | <u>SEC</u> | <u>ACRES</u> | <u>ACRES</u> | <u>ACRES</u> | <u>TOTAL</u> |
|------------|------------|------------|--------------|--------------|--------------|--------------|
| 49N        | 01E        | 19         | SESW         | 1.5          |              | 1.5          |

Total number of acres irrigated: 1.5

PLACE OF USE: FIRE PROTECTION, same as IRRIGATION use

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before July 1, 1993.
2. Subject to all prior water rights.
3. A flow measurement port or other device as specified by the Department shall be installed by the right holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.
4. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
5. The rate of diversion of water for irrigation under this right and all other water rights on the same land shall not exceed 0.03 cubic feet per second for each acre of land.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.  
Witness the seal and signature of the Director, affixed at Boise, this

10<sup>th</sup> day of June, 1992

MICROFILMED

JUN 29 1992

*R. Keith Higginson*  
R. Keith Higginson, Director

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant CARL L. BLALACK Phone 682-2283  
Post office address E29340 HARDY LOOP CATAHO ID 83810
2. Source of water supply Ground water which is a tributary of \_\_\_\_\_
3. Location of point of diversion is \_\_\_\_\_  $\frac{1}{4}$  of SE  $\frac{1}{4}$  of SW  $\frac{1}{4}$ , Govt. Lot \_\_\_\_\_  
Sec. 19 Township 49N Range 1E B.M. Kootenai County; additional  
points of diversion if any: \_\_\_\_\_
4. Water will be used for the following purposes:  
Amount 0.05 for Irrigation purposes from 3/15 to 11/15 (both dates inclusive)  
(cfs or acre-feet per annum)  
Amount 1.7 for Fire Protection purposes from 1/1 to 12/31 (both dates inclusive)  
(cfs or acre-feet per annum)  
Amount \_\_\_\_\_ for \_\_\_\_\_ purposes from \_\_\_\_\_ to \_\_\_\_\_ (both dates inclusive)  
(cfs or acre-feet per annum)  
Amount \_\_\_\_\_ for \_\_\_\_\_ purposes from \_\_\_\_\_ to \_\_\_\_\_ (both dates inclusive)  
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) 1.75 and/or (b) \_\_\_\_\_  
cubic feet per second acre feet per annum
6. Proposed diverting works:
  - a. Description of ditches, flumes, pumps, headgates, etc. 15 ft deep 4 ft diameter concrete well, existing.
  - b. Height of storage dam \_\_\_\_\_ feet; active reservoir capacity \_\_\_\_\_ acre-feet; total  
reservoir capacity \_\_\_\_\_ acre-feet; period of year when water will be diverted to storage:  
\_\_\_\_\_ to \_\_\_\_\_ inclusive.
  - c. ~~Proposed~~ <sup>Existing</sup> well diameter is 4 ft inches; ~~proposed~~ <sup>Existing</sup> depth of well is 15 ft feet.
  - d. Is ground water with a temperature of greater than 90°F being sought? NO
7. Time required for the completion of the works and application of the water to the proposed beneficial use is  
1 years (minimum 1 year).

JUN 29 1992

8. Description of proposed uses (if irrigation only, go to item 9):

- Hydropower; show total feet of head and proposed capacity in KW. \_\_\_\_\_
- Stockwatering; list number and kind of livestock. \_\_\_\_\_
- Municipal; show name of municipality. \_\_\_\_\_
- Domestic; show number of households. \_\_\_\_\_
- Other; describe fully. Fire Protection

9. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- If water is used for other purposes, place a symbol of the use (example: *D* for Domestic) in the corresponding place of use below. See instructions for standard symbols.

| TWP | RANGE | SEC. | NE¼ |     |     |     | NW¼ |     |     |     | SW¼ |     |     |     | SE¼ |     |     |     | TOTALS |
|-----|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
|     |       |      | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ |        |
| 49N | 1E    | 19   |     |     |     |     |     |     |     |     |     |     |     | 1.5 |     |     |     |     | 1.5    |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |

Total number of acres to be irrigated 1.5

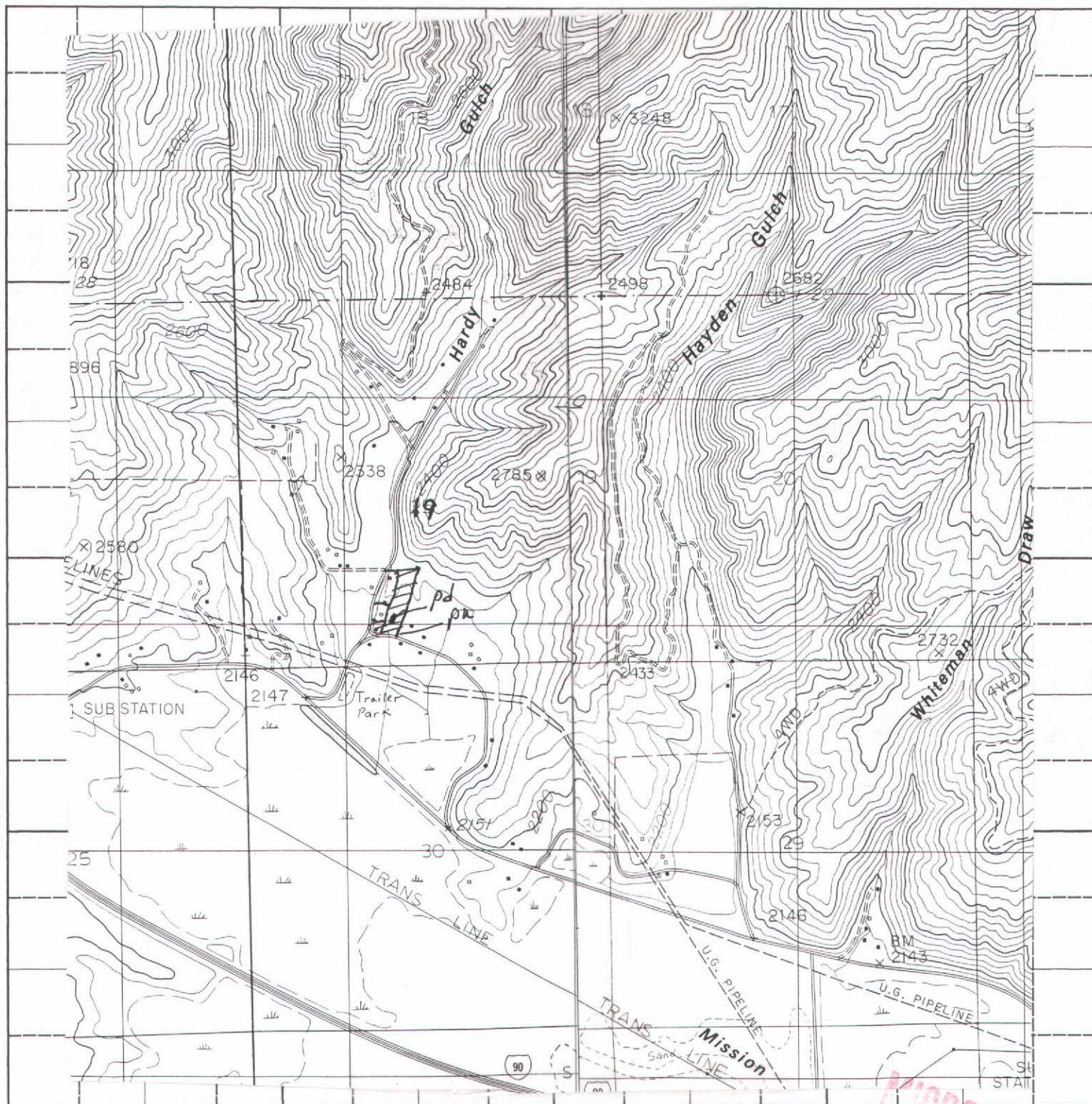
10. Describe any other water rights used for the same purposes as described above. NONE

- Who owns the property at the point of diversion? Applicant
- Who owns the land to be irrigated or place of use? Applicant
- If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. \_\_\_\_\_

12. Remarks: \_\_\_\_\_

JUN 29 1992

13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Carl L. Black  
(Applicant)

the public waters of

Received by DL Date 3/30/92 Time 2:30 pm Preliminary check by TDK  
Fee \$ 65 Received by DL # N5317 Date 3/30/92  
Publication prepared by ma Date 4/8/92 Published in 4/16-23/92  
Publication approved ma Date 4/24/92

### ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. \_\_\_\_\_, and said application is hereby \_\_\_\_\_.

1. Approval of said application is subject to the following limitations and conditions:

a. SUBJECT TO ALL PRIOR WATER RIGHTS.

b. Proof of construction of works and application of water to beneficial use shall be submitted on or before \_\_\_\_\_, 19 \_\_\_\_.

c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.

e. Other:

NOT RECORDED  
JUN 29 1992

**B/U FIELD EXAM REVIEW**  
Cindy Zimmerman

Permit #: 94-7338 Name: Blalack Date: 10/29/95  
App Rcd 3/30/92 Priority 3/30/92 Examined 5/18/95 ✓ Lots ✓

NAME Chng Same ✓ Or Address Change?

SOURCE Clarify source  
Prelim. Order to Void - Source change.

P/D Amendment Needed? -P39, P38  
Overlap(s)

P/U Amendment Needed? 1.0 acres only -P41, P38  
Overlap(s)  
\*P/D & P/U Amend? P37, P38  
(See paragraph list for governmental agencies)

RATE Permit/fee limits: 7.75 / 0.20  
Measured Q= None cfs/Theoretical Q= 0.13 cfs  
(Irr = 1 ac x 0.03 cfs/ac = 0.03) + (F. prot = 0.13)  
(HP) 8.8 x 0.70 x 2 = 12.32 = 0.13  
0.4 + (2.31 x 0.03) = 0.13  
Recommended capacity 0.13 cfs  
Recommended rate 0.13 cfs

VOLUME Season of Use: (D/3.0) 3/15-11/15 = 246 days  
Calculations: Irr = 1 ac x 3.0 AF/ac = 3.0  
Flow limit: 0.03 x 246 x 1.9835 = 14.6 AF  
Recommended volume 3.0 AF

USES Same Nature of Use? -P46  
Amendment Needed?

REMARKS Multiple p/d's in 1/4?  
① W.B.C.

CONDITIONS Measuring (R01)/Locking (R02) Devices  
Watermaster Control (R04) - WD #  
R49 Irrigation rate/volume overlap  
Irrigation water overlap (065) (If gw use sw)  
Water Quality/Other

PRIORITY Due 7/1/93 Rc'd 6/29/92 Receipt# N5229 Fee OK? (Yes) No  
Order to Reinstate Needed? Yes/No Done?  
If Yes, Advanced? Yes/No to:

COMMENTS:

| USE               | CFS         | DIV VOL    | Adjustment Memo              |
|-------------------|-------------|------------|------------------------------|
| <u>Irr / 1 Ac</u> | <u>0.03</u> | <u>3.0</u> | <u>LICENSE: P49</u>          |
| <u>Fire Prot.</u> | <u>0.13</u> | <u>0</u>   | <u>#1 AMEND LTR: P46 or</u>  |
|                   |             |            | <u>P39/P41/P37 &amp; P38</u> |
| <u>TOTAL</u>      | <u>0.13</u> | <u>3.0</u> | <u>#2 AMEND LTR: P42/P47</u> |

① figures determined from exam photos.

$$\frac{8 \times 6 \times 0.7 \times 2 \text{ HP}}{K + (2.31 \times 38 \text{ psi})} = \frac{12.32}{K + 87.78}$$

$$10 = 0' = 0.14$$

$$1' = 0.14$$

$$2' = 0.14$$

$$3' = 0.14$$

$$4' = 0.13$$

$$5' = 0.13$$

$$6' = 0.13$$

$$7' = 0.13$$

$$8' = 0.13$$

$$9' = 0.13$$

$$10' = 0.13$$

$$11' = 0.12$$

$$12' = 0.12$$

$$13' = 0.12$$

$$14' = 0.12$$

$$15' = 0.12$$

reasonable

## MEMORANDUM

DATE: November 29, 1995  
TO: File No. 94-07338  
FROM: Cindy Zimmerman *CJ*.  
SUBJECT: Review of Beneficial Use Field Report

=====

The following adjustments were made on the field report to correct mathematical errors and omissions:

1. Capacity, dynamic level and psi determined from exam photos.
  - a. HP Theoretical  $= \frac{8.8 \times 0.7 \times 2}{4 + (2.31 \times 38)} = \frac{12.32}{91.78} = 0.13 \text{ cfs}$
2. Rate of diversion.
  - a. Irrigation = acres x cfs/acre  
 $= 1.0 \times 0.03$   
 $= 0.03 \text{ cfs.}$
  - b. Fire Protection, limited by capacity = 0.13 cfs.
  - c. Maximum rate of diversion = a + b  
 $= 0.03 + 0.13$   
 $= \cancel{0.16} = 0.13 \text{ cfs.}$
3. Annual Volume.
  - a. Irrigation = acres x AF/acre  
 $= 1.0 \times 3.0$   
 $= 3.0 \text{ AF.}$
  - b. Fire Protection, given no volume.
  - c. Maximum annual volume = 3.0 AF.

MAR 29 1996

MEMO

DATE: October 12, 1995  
TO: Cindy Zimmerman, *file*  
From: Ted McCracken  
Subject: Exam# ~~94-07352~~ 94-7338

=====

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NOV 03 1995  
Department of Water Resources

After recieving your memo and going over them I have determined that the later of the two (5/18/95) is the correct exam and all recomendations should be taken from this one.

the actual irrigated acres are one acre which would be 3 afa and .02 cfs the fire protection is for .05 cfs.

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MAR 29 1996

RECEIVED

NOV 03 1995

Department of Water Resources

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
BENEFICIAL USE FIELD REPORT

RECEIVED

NOV 03 1995

Department of Water Resources

RECEIVED

AUG 29 1995

Department of Water Resources

## A. GENERAL INFORMATION

Permit No. 94-073381. Owner: CARL L BLALACK Phone No. (208) 682-2283Current Address: E 29340 HARDY Loop CATALDO Id, 838102. Accompanied by: OWNER EXAM DATE: 5/18/95Address: SAME AS ABOVE Phone No. SAME

Relationship to Permit Holder: \_\_\_\_\_

3. Source: GROUND WATER tributary to \_\_\_\_\_

## B. OVERLAP REVIEW

1. Other water rights with the same place of use: 94-040252. Other water rights with the same point of diversion: 94-07337

## C. DIVERSION AND DELIVERY SYSTEM

## 1. Point(s) of Diversion:

| Ident No. | Gov't Lot | 1/4 | 1/4 | 1/4 | Sec. | Twp. | Rge. | County   | Method of Determination/Remarks |
|-----------|-----------|-----|-----|-----|------|------|------|----------|---------------------------------|
|           |           |     | SE  | SW  | 19   | 49N  | 01E  | KOOTENAI | USGS 7.5 MIN QUAD               |
|           |           |     |     |     |      |      |      |          |                                 |
|           |           |     |     |     |      |      |      |          |                                 |
|           |           |     |     |     |      |      |      |          |                                 |

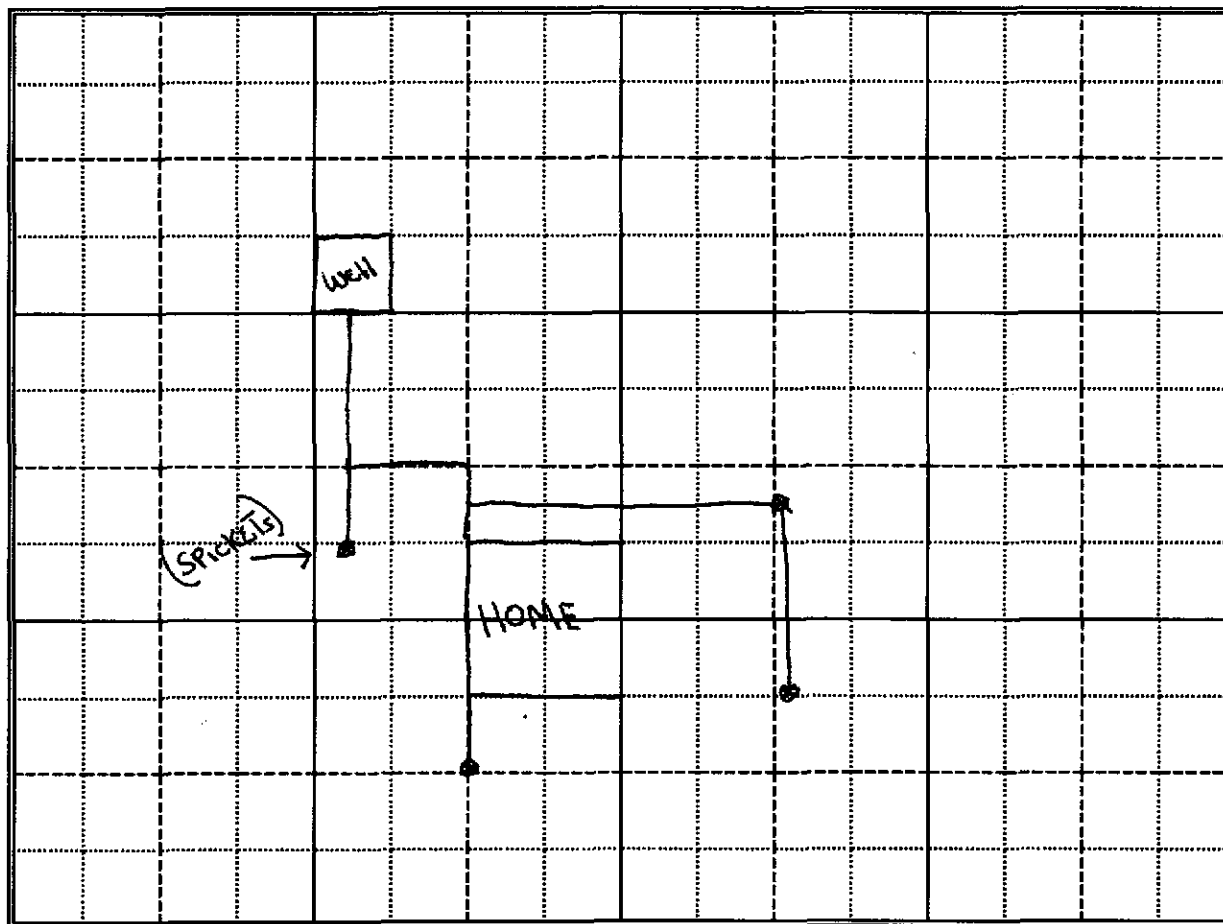
## 2. Place(s) of Use:

Indicate Method of Determination

| TWP | RGE | SEC | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 49N | 01E | 19  |    |    |    |    |    |    |    |    |    |    |    | 1  |    |    |    |    | 1      |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |

MAR 29 1995

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = NTS

☒ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

☐ Aerial Photo Attached (required for irrigation of 10+ acres)

☒ Photo of Diversion and System Attached

4.

| Well or Diversion Identification No.* | Motor Make  | Hp | Motor Serial No. | Pump Make   | Pump Serial No. or Discharge Size |
|---------------------------------------|-------------|----|------------------|-------------|-----------------------------------|
|                                       | SUBMERSIBLE | 2  | "NA"             | submersible | "NA"                              |
|                                       |             |    |                  |             |                                   |
|                                       |             |    |                  |             |                                   |

\*Code to correspond with No. on map and aerial photo

#### D. FLOW MEASUREMENTS

1.

| Measurement Equipment | Type | Make | Model No. | Serial No. | Size | Calib. Date |
|-----------------------|------|------|-----------|------------|------|-------------|
|                       |      |      |           |            |      |             |
|                       |      |      |           |            |      |             |

2. Measurements:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2018 1396

**E. NARRATIVE/REMARKS/COMMENTS**

Well IS HAND DUG AND SUPPLIES 2 HOMES  
plus IRRIGATION OF ONE (1) ACRE.  
WATER RIGHT EXISTS FOR DOMESTIC

Have conditions of permit approval been met? ☐ yes ☐ no

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MAR 29 1996

**F. FLOW CALCULATIONS**

\_\_\_\_\_ Additional Computation Sheets Attached

Measured Method:

**G. VOLUME CALCULATIONS**

## 1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{1} \times \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

## 2. Volume Calculations for Other Uses:

**H. RECOMMENDATIONS**

## 1. Recommended Amounts

| Beneficial Use  | Period of Use |       | Rate of Diversion<br>Q (cfs) | Annual Volume<br>V (afa) |
|-----------------|---------------|-------|------------------------------|--------------------------|
|                 | From          | To    |                              |                          |
| IRRIGATION      | 3-15          | 11-15 | .05                          |                          |
| FIRE PROTECTION | 01-01         | 12-31 | 1.70                         |                          |
|                 |               |       |                              |                          |
|                 |               |       |                              |                          |
|                 |               |       |                              |                          |
| Totals:         |               |       | 1.75                         |                          |

## 2. Recommended Amendments

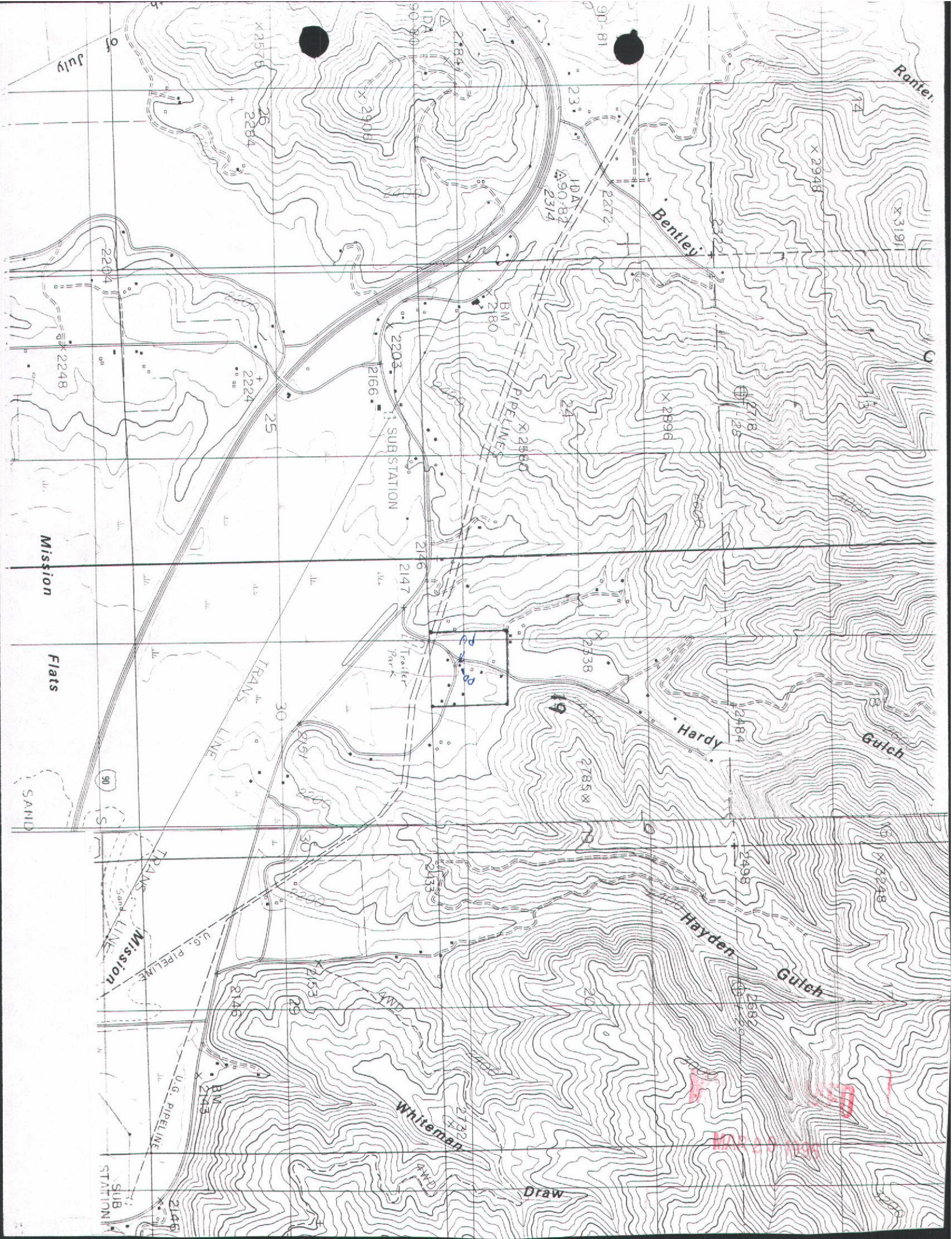
\_\_\_ Change P.D. as reflected above    \_\_\_ Add P.D. as reflected above    \_\_\_ None  
\_\_\_ Change P.U. as reflected above    \_\_\_ Add P.U. as reflected above    \_\_\_ Other

**I. AUTHENTICATION**Field Examiner's Name Shed McCracken Date 5/18/95

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

SEAL

MAY 20 1996





P.O.



P.O.



P.D.

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DEC 14 1994

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
BENEFICIAL USE FIELD REPORT

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 94-07338

1. Owner: CARL BLALACK Phone No. 208-682-2283

Current Address: E 29340 HARDY Loop CATALDO Id, 83810

2. Accompanied by: - EXAM DATE: 8-4-94

Address: - Phone No. -

Relationship to Permit Holder: -

3. Source: GROUND WATER tributary to -

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 94-04025 E94-07338

2. Other water rights with the same point of diversion: 94-07337 E94-07338

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

| Ident No. | Gov't Lot | 1/4 | 1/4 | 1/4 | Sec. | Twp. | Rge. | County   | Method of Determination/Remarks |
|-----------|-----------|-----|-----|-----|------|------|------|----------|---------------------------------|
|           |           |     | SE  | SW  | 19   | 49N  | 01E  | Kootenai | USGS 7.5 min QUAD               |
|           |           |     |     |     |      |      |      |          |                                 |
|           |           |     |     |     |      |      |      |          |                                 |
|           |           |     |     |     |      |      |      |          |                                 |

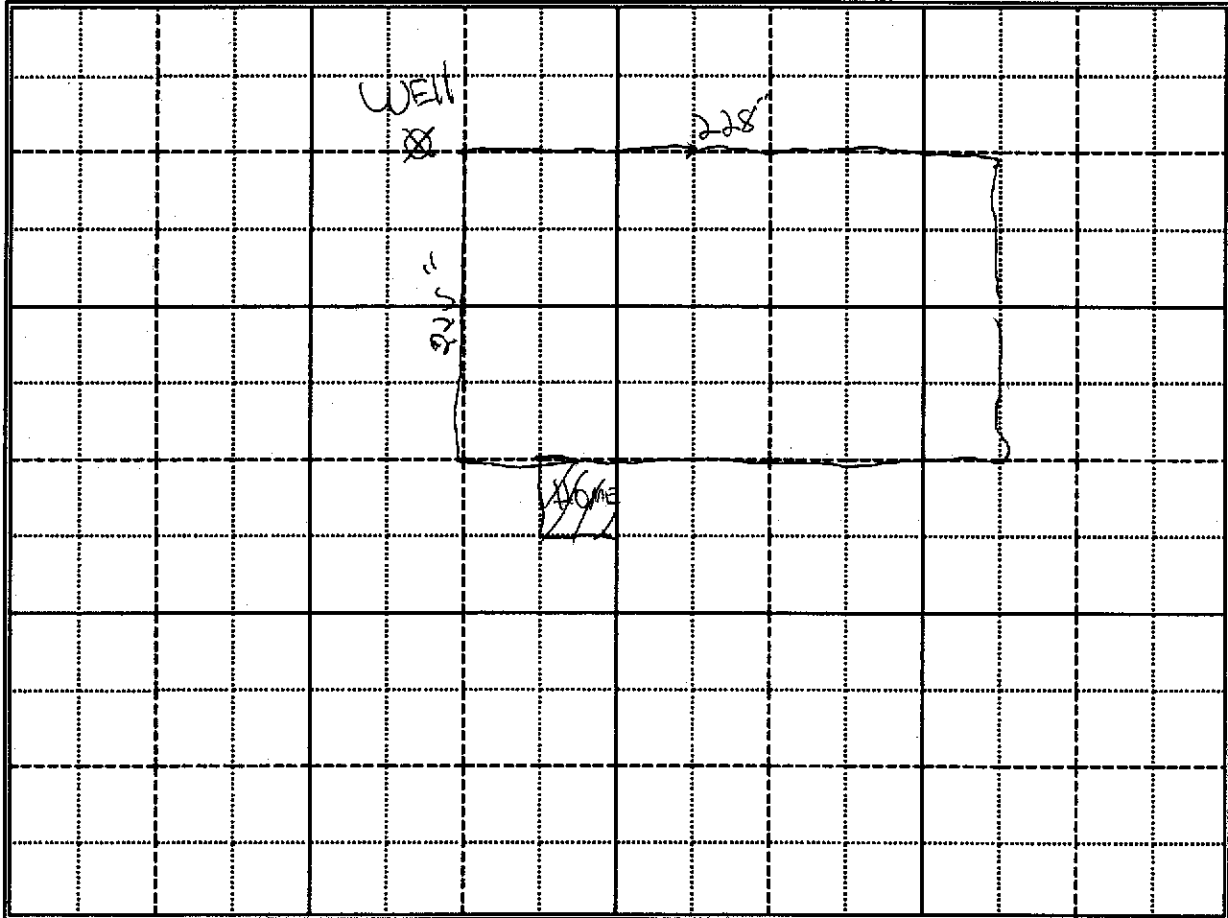
2. Place(s) of Use:

Indicate Method of Determination

| TWP | RGE | SEC | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 49N | 01E | 19  |    |    |    |    |    |    |    |    |    |    |    | I  |    |    |    |    | 1.5    |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
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|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |

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3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = \_\_\_\_\_

\_\_\_\_ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

\_\_\_\_ Aerial Photo Attached (required for Irrigation of 10+ acres)

\_\_\_\_ Photo of Diversion and System Attached

4.

| Well or Diversion Identification No.* | Motor Make | Hp | Motor Serial No. | Pump Make | Pump Serial No. or Discharge Size |
|---------------------------------------|------------|----|------------------|-----------|-----------------------------------|
|                                       |            |    |                  |           |                                   |
|                                       |            |    |                  |           |                                   |
|                                       |            |    |                  |           |                                   |

\*Code to correspond with No. on map and aerial photo

#### D. FLOW MEASUREMENTS

1.

| Measurement Equipment | Type | Make | Model No. | Serial No. | Size | Calib. Date |
|-----------------------|------|------|-----------|------------|------|-------------|
| 5 gallon Bucket       |      |      |           |            |      |             |
|                       |      |      |           |            |      |             |

2. Measurements: 5 gall w 30 Sec

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E. NARRATIVE/REMARKS/COMMENTS

WELL SUPPLIES IRRIGATION OF YARD AND GARDEN  
USES PORTABLE SPRINKLERS OR JUST HOSE.  
GRAVITY FED

Have conditions of permit approval been met? ☒ yes ☐ no

APPROVED

MARCH 9 1996

**F. FLOW CALCULATIONS**Measured Method: 5 gallon bucket       Additional Computation Sheets Attached11 gallons per min**G. VOLUME CALCULATIONS****1. Volume Calculations for Irrigation:**

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{1.5 \times 3.0 = 4.5}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{.05 \times 245 \times 1.9835 = 24.2}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{D.R.} = \underline{4.5}$$

**2. Volume Calculations for Other Uses:****H. RECOMMENDATIONS****1. Recommended Amounts**

| Beneficial Use         | Period of Use |              | Rate of Diversion<br>Q (cfs) | Annual Volume<br>V (afa) |
|------------------------|---------------|--------------|------------------------------|--------------------------|
|                        | From          | To           |                              |                          |
| <u>IRRIGATION</u>      | <u>03-05</u>  | <u>11-15</u> | <u>.05</u>                   | <u>4.5</u>               |
| <u>fire Protection</u> | <u>01-01</u>  | <u>12-31</u> | <u>.05</u>                   |                          |
|                        |               |              |                              |                          |
|                        |               |              |                              |                          |
|                        |               |              |                              |                          |
| <b>Totals:</b>         |               |              | <u>.10</u>                   | <u>4.5</u>               |

**2. Recommended Amendments**

☐ Change P.D. as reflected above    ☐ Add P.D. as reflected above    ☐ None  
☐ Change P.U. as reflected above    ☐ Add P.U. as reflected above    ☐ Other

**I. AUTHENTICATION**Field Examiner's Name Toad McCracken Date 8-4-94

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

SEAL

MAR 29 1996



WELL

Irrigated AREA



IRrigated AREA



MICROFILM  
MAR 29 1996

6250121 NIN 1112

WELL



Irrigated AREA

IRKigAted AREA



MICROFILM 7  
MAR 29 1996

6250121 N11 N12

6250121 N11 N12

WELL

Irrigated AREA



IRrigated AREA

MICROFILM 7  
MAR 29 1996

39.00

II  
39.24

III  
39.40

IV  
39.56

12.82

N 89° 50' E

I  
39.67

II  
39.73

III  
39.80

IV  
39.88

12.96

S 89° 47' E

I  
39.98

II  
40.11

III  
40.25

IV  
40.39

20.23

N 89° 54' E

I  
40.32

II  
43.13

419.45

Sec 30

III  
1220

IV  
31.93

46.67

67.02

21.28

35.67

1214

1222

33.12

44.90

32.20

West

16.40

80.23

N 89° 36' W

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28

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